

CONTENTS OF VOLUME 79

ABE, AUGUSTO SHINYA <i>see</i> FÁBIO CURY DE BARROS..	83
<i>Abudefduf sexfasciatus</i> ..	237
achromatic contrast..	179
acoustic adaptation..	863
acoustic communication..	145, 411, 487
acoustic cue..	1221
acoustic masking..	787
acoustic structure..	487
acoustical analysis..	917
acoustics..	1055
<i>Acridotheres tristis</i> ..	459
<i>Acrocephalus arundinaceus</i> ..	1363
ADAM, THOMAS C., Competition Encourages Cooperation: Client Fish Receive Higher-quality Service When Cleaner Fish Compete..	1183
ADAMO, SHELLEY A., AMY BARTLETT, JEFFREY LE, NORA SPENCER, KENNETH SULLIVAN, Illness-induced Anorexia May Reduce Trade-offs Between Digestion and Immune Function..	3
advertisement..	657
<i>Aethia</i> ..	637
affiliation..	1343
affiliative relationship..	957, 981
affinity..	571
African lion..	665
African savannah..	665
African wild dog..	425
<i>Agalychnis callidryas</i> ..	255
aggression..	43, 497, 649, 709, 1247
aggression flight syndrome..	1087
aggressive..	291
aggressive behaviour..	621
aggressive mimicry..	555
aggressive response..	83
<i>Agkistrodon contortrix</i> ..	993
agonism..	1343
agonistic behaviour..	1087
agonistic dominance..	981
AHLGREN, MEGAN <i>see</i> SARAH F. BROSNAN..	1229
AKÇAY, EROL <i>see</i> JOAN ROUGHGARDEN..	e1(3), e18(3)
alarm call..	401, 411, 1373
alarm cue..	1101
ALBO, MARÍA J., FERNANDO G. COSTA, Nuptial Gift-giving Behaviour and Male Mating Effort in the Neotropical Spider <i>Paratrechalea ornata</i> (Trechaleidae)	1031
ALEXANDER, LUCILLE <i>see</i> KATHERINE A. HERBORN..	835
alfalfa leafcutting bee..	165
Allee effect..	425
<i>Allobates femoralis</i> ..	739
<i>Allocyclosa bifurca</i> ..	375
ÁLMADA, V.C. <i>see</i> K. SILVA..	885
ALMOHAMAD, RAKI, FRANÇOIS J. VERHEGGEN, FRÉDÉRIC FRANCIS, GEORGES LOGNAY, ERIC HAUBRUGE, Assessment of Oviposition Site Quality by Aphidophagous Hoverflies: Reaction to Conspecific Larvae..	589

CONTENTS OF VOLUME 79

ABE, AUGUSTO SHINYA <i>see</i> FÁBIO CURY DE BARROS..	83
<i>Abudefduf sexfasciatus</i> ..	237
achromatic contrast..	179
acoustic adaptation..	863
acoustic communication..	145, 411, 487
acoustic cue..	1221
acoustic masking..	787
acoustic structure..	487
acoustical analysis..	917
acoustics..	1055
<i>Acridotheres tristis</i> ..	459
<i>Acrocephalus arundinaceus</i> ..	1363
ADAM, THOMAS C., Competition Encourages Cooperation: Client Fish Receive Higher-quality Service When Cleaner Fish Compete..	1183
ADAMO, SHELLEY A., AMY BARTLETT, JEFFREY LE, NORA SPENCER, KENNETH SULLIVAN, Illness-induced Anorexia May Reduce Trade-offs Between Digestion and Immune Function..	3
advertisement..	657
<i>Aethia</i> ..	637
affiliation..	1343
affiliative relationship..	957, 981
affinity..	571
African lion..	665
African savannah..	665
African wild dog..	425
<i>Agalychnis callidryas</i> ..	255
aggression..	43, 497, 649, 709, 1247
aggression flight syndrome..	1087
aggressive..	291
aggressive behaviour..	621
aggressive mimicry..	555
aggressive response..	83
<i>Agkistrodon contortrix</i> ..	993
agonism..	1343
agonistic behaviour..	1087
agonistic dominance..	981
AHLGREN, MEGAN <i>see</i> SARAH F. BROSINAN..	1229
AKÇAY, EROL <i>see</i> JOAN ROUGHGARDEN..	e1(3), e18(3)
alarm call..	401, 411, 1373
alarm cue..	1101
ALBO, MARÍA J., FERNANDO G. COSTA, Nuptial Gift-giving Behaviour and Male Mating Effort in the Neotropical Spider <i>Paratrechalea ornata</i> (Trechaleidae)	1031
ALEXANDER, LUCILLE <i>see</i> KATHERINE A. HERBORN..	835
alfalfa leafcutting bee..	165
Allee effect..	425
<i>Allobates femoralis</i> ..	739
<i>Allocyclosa bifurca</i> ..	375
ÁLMADA, V.C. <i>see</i> K. SILVA..	885
ALMOHAMAD, RAKI, FRANÇOIS J. VERHEGGEN, FRÉDÉRIC FRANCIS, GEORGES LOGNAY, ERIC HAUBRUGE, Assessment of Oviposition Site Quality by Aphidophagous Hoverflies: Reaction to Conspecific Larvae..	589

alternative tactics..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1191
altruism..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	595
AMADOR-VARGAS, S. <i>see</i> A.G. FARJI-BRENER..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	343
AMDAM, GRO V., ROBERT E. PAGE, JR, The Developmental Genetics and Physiology of Honeybee Societies..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	973
AMDAM, GRO V. <i>see</i> KATE E. IHLE..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1001
American crow..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	699
AMÉZQUITA, ADOLFO <i>see</i> ANA GABRIELA DE LUNA..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	739
<i>Amphibolurus muricatus</i>..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	555
ANCONA, SERGIO, HUGH DRUMMOND, JAIME ZALDÍVAR-RAE, Male Whiptail Lizards Adjust Energetically Costly Mate Guarding to Male–Male Competition and Female Reproductive Value	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	75
ANDERSON, MICHAEL G., DIANNE H. BRUNTON, MARK E. HAUBER, Species Specificity of Grey Warbler Begging Solicitation and Alarm Calls Revealed by Nestling Responses to Playbacks..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	401
ANDOW, DAVID A. <i>see</i> PANAGIOTIS G. MILONAS..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	509
animal cognition..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	e7(2)
animal communication..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	787
animal construction..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	747
animal contest..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	89
animal personality..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	835
animal signal..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	e1(1), e1(6)
<i>Anser anser</i>..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1277
ant..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31, 467, 473
ant foraging..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	343
antipredator behaviour..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	83, 173, 515, 531, 665, 827, 1101, 1373
antlion..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	153
anura..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	255, 779
anvil..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	321
APARICIO, JOSÉ MIGUEL <i>see</i> GUSTAU CALABUIG..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	811
aphid..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	589
<i>Aphis fabae</i>..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	451
<i>Apis mellifera</i>..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	e7(2), 649, 935, 1001
apolipophorin III..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3
Apollo butterfly..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	313
aposematism..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	63
aquatic species..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	603
AQUILONI, LAURA, FRANCESCA GHERARDI, Crayfish Females Eavesdrop on Fighting Males and Use Smell and Sight to Recognize the Identity of the Winner..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	265
ARNOLD, CORNELIA, BARBARA TABORSKY, Social Experience in Early Ontogeny Has Lasting Effects on Social Skills in Cooperatively Breeding Cichlids..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	621
ARNOLD, K.E. <i>see</i> A.L. LE VIN..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1109
ARNOLD, KATHRYN E. <i>see</i> KATHERINE A. HERBORN..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	835
ARNOTT, GARETH, ROBERT W. ELWOOD, Signal Residuals and Hermit Crab Displays: Flaunt It If You Have It! ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	137
ARNOULD, C. <i>see</i> C. SCHWEITZER..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	571
ARNQVIST, GÖRAN <i>see</i> THERÉSA M. JONES..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11
artefact..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	117
<i>Aspidoscelis costata</i>..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	75
ASSAHAD, GHOLIB <i>see</i> CHRISTOF NEUMANN..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	187
association..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	217
association preference..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1191
assortative pairing..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	911
asymmetry..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	765
<i>Atta cephalotes</i>..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	343
<i>Atta colombica</i>..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	689
attractant..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	451
attraction..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	57
AUBIN, T. <i>see</i> F. SÈBE..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1055
audiovisual..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1285
auditory grouping..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1317
auditory induction..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1317
auditory scene analysis..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1317

AUGUSTE, ALEXANDRA <i>see</i> MARIE METZGER..	1307
auklet..	637
AURELI, FILIPPO <i>see</i> BARBARA TIDDI..	1115
autocorrelation..	845
aversive learning..	689
avoidance learning..	63
BACKELJAU, THIERRY <i>see</i> LOBKE DILLEN..	1125
BACKWELL, P.R.Y. <i>see</i> R.N.C. MILNER..	735
BACKWELL, PATRICIA R.Y. <i>see</i> ISOBEL BOOKSMYTHE..	419
BAHAR, SONYA <i>see</i> NATHAN D. DEES..	603
BAIERL, ANDREAS <i>see</i> MARC SZTATECSNY..	779
BANG, ALOK, SUJATA DESHPANDE, ANNAGIRI SUMANA, RAGHAVENDRA GADAGKAR, Choosing an Appropriate Index to Construct Dominance Hierarchies in Animal Societies: a Comparison of Three Indices..	631
Barbary macaque..	1199
BARKAE, EREZ DAVID <i>see</i> INON SCHARF..	153
BARRETT, LOUISE <i>see</i> WILLIAM A. SEARCY..	1, 253, 529, 769, 971, 1181
BARRY, KATHERINE L., GREGORY I. HOLWELL, MARIE E. HERBERSTEIN, Multimodal Mate Assessment by Male Praying Mantids in a Sexually Cannibalistic Mating System..	1165
BARTLETT, AMY <i>see</i> SHELLEY A. ADAMO..	3
BASHFORD, JIM <i>see</i> STEPHAN T. LEU..	217
bat..	787
BAUGH, ALEXANDER T., MICHAEL J. RYAN, Mate Choice in Response to Dynamic Presentation of Male Advertisement Signals in <i>Túngara</i> Frogs..	145
BECCO, CHRISTOPHE <i>see</i> KARINE FAUCHER..	679
bee..	e7(2)
BEE, MARK A. <i>see</i> FOLKERT SEEBA..	1317
begging..	401, 107
begging solicitation call..	401
behaviour..	291
behavioural ecology..	e18(3)
behavioural modification..	487
behavioural plasticity..	539
behavioural syndrome...	439, 497, 835
behavioural type..	43
BEHMER, SPENCER T. <i>see</i> STEVEN C. COOK..	429
bell miner..	243
BENNETT, ANDREW T.D. <i>see</i> JOSEPH L. WOODGATE..	1381
BERNSTEIN, CARLOS <i>see</i> MARIE METZGER..	1307
BERTRAM, SUSAN M. <i>see</i> CRYSTAL M. VINCENT..	51
<i>Betta splendens</i> ...	43
BEYAERT, I., N. WÄSCHKE, A. SCHOLZ, M. VARAMA, A. REINECKE, M. HILKER, Relevance of Resource-indicating Key Volatiles and Habitat Odour for Insect Orientation..	1077
bighorn sheep...	1047
bimodal communication..	265
binary data..	1339
BINSTOCK, CHAR L. <i>see</i> BRIAN D. WISENDEN..	1101
biogeographical distribution..	361
biological market	1115, 1183
biotype..	579
bird..	539, 571
BLACHER, PIERRE, EMMANUEL LECOUTEY, DOMINIQUE FRESNEAU, ELISE NOWBAHARI, Reproductive Hierarchies and Status Discrimination in Orphaned Colonies of <i>Pachycondyla apicalis</i> Ants..	99
black and white colobus monkey..	89
black bean aphid..	451
black striped pipefish..	885
black-capped chickadee..	657, 1267
black-legged kittiwake..	1095
bleat..	1055

BLEEKER, MAARTEN <i>see</i> CARSTEN SCHRADIN..	195
blue tit..	835
bluefin killifish..	497
bluestreak cleaner wrasse..	1183
BLUMSTEIN, DANIEL T. <i>see</i> TINA W. WEY..	1343
body coloration..	739
body colour..	709
body condition..	1293
body size..	83, 1125
body weight..	321
BOESCH, C. <i>see</i> R.M. STUMPF..	333
BOHN, KIRSTEN M. <i>see</i> JENNA JARVIS..	787
BOLLACHE, LOÏC <i>see</i> NATHALIE FRANCESCHI..	911
BOLUND, ELISABETH <i>see</i> HOLGER SCHIELZETH..	1329
BOLUND, ELISABETH, KATRIN MARTIN, BART KEMPENAERS, WOLFGANG FORSTMEIER, Inbreeding Depression of Sexually Selected Traits and Attractiveness in the Zebra Finch..	947
BONANNI, ROBERTO, PAOLA VALSECCHI, EUGENIA NATOLI, Pattern of Individual Participation and Cheating in Conflicts Between Groups of Free-ranging Dogs..	957
BONANNI, ROBERTO, SIMONA CAFAZZO, PAOLA VALSECCHI, EUGENIA NATOLI, Effect of Affiliative and Agonistic Relationships on Leadership Behaviour in Free-ranging Dogs..	981
BOOKSMYTHE, I. <i>see</i> R.N.C. MILNER..	735
BOOKSMYTHE, ISOBEL, MICHAEL D. JENNIONS, PATRICIA R.Y. BACKWELL, Investigating the 'Dear Enemy' Phenomenon in the Territory Defence of the Fiddler Crab, <i>Uca mjoebergi</i> ..	419
<i>Bos taurus</i> ..	1037
BOYCE, HAYLEY M. <i>see</i> ANDREA S. GRIFFIN..	459
Brandt's vole..	797
BRAUER, JULIANE <i>see</i> BRIAN HARE..	el(2)
breeding season..	195
breeding status..	17
BRENNER, JULIAN <i>see</i> CARSTEN SCHRADIN..	195
BREWER, JASON <i>see</i> MOLLY R. MORRIS..	673
BRITTON, NICHOLAS F. <i>see</i> ANA B. SENDOVA-FRANKS....	473
BROMMER, JON E. <i>see</i> MARIANNE S. FRED..	313
brood parasitism..	107
brood reduction..	1095
broodmate aggression..	1095
BROSANAN, SARAH F., CATHERINE TALBOT, MEGAN AHLGREN, SUSAN P. LAMBETH, STEVEN J. SCHAPIRO, Mechanisms Underlying Responses to Inequitable Outcomes in Chimpanzees, <i>Pan troglodytes</i> ..	1229
brown bear..	521
brown rat..	159
BROWN, CHRISTOPHER G., DANIEL J. FUNK, Antipredatory Properties of an Animal Architecture: How Complex Faecal Cases Thwart Arthropod Attack..	127
brown-headed cowbird ..	107, 299, 385, 1285
BRUCE, TOBY <i>see</i> BEN WEBSTER..	451
BRUMM, H. <i>see</i> M. RITSCHARD..	877
BRUNTON, DIANNE H. <i>see</i> MICHAEL G. ANDERSON..	401
BSHARY, REDOUAN <i>see</i> LUCILLE CHAPUIS..	645
BUCHANAN, KATHERINE L. <i>see</i> JOSEPH L. WOODGATE..	1381
BUFFIN, AURELIE <i>see</i> ANNE-CATHERINE MAILLEUX..	31
BUGNYAR, THOMAS <i>see</i> ORLAITH N. FRASER..	927
building behaviour..	127
BULL, C. MICHAEL <i>see</i> STEPHAN T. LEU..	217
burying beetle....	17
BYERS, JOHN, EILEEN HEBETS, JEFFREY PODOS, Female Mate Choice Based Upon Male Motor Performance..	771
BYRNE, RICHARD W. <i>see</i> SUZANNE D.E. HELD....	857
cabbage beetle....	1391
CABRERA, S. <i>see</i> A.G. FARJI-BRENER..	343
CAFAZZO, SIMONA <i>see</i> ROBERTO BONANNI..	981

CALABUIG, GUSTAU, JOAQUÍN ORTEGO, JOSÉ MIGUEL APARICIO, PEDRO J. CORDERO, Intercolony Movements and Prospecting Behaviour in the Colonial Lesser Kestrel.. ..	811
CALDWELL, MICHAEL S., J. GREGORY MCDANIEL, KAREN M. WARKENTIN, Is it Safe? Red-eyed Treefrog Embryos Assessing Predation Risk Use Two Features of Rain Vibrations to Avoid False Alarms.. ..	255
CALL, JOSEP <i>see</i> BRIAN HARE.. ..	e1(2)
CAMERON, KATHRYN E. <i>see</i> AARON J. WIRSING.. ..	531
camouflage.. ..	179
CAMPBELL, JAMES F. <i>see</i> NELSA MARIA P. GUEDES.. ..	281
<i>Canis</i>	37
<i>Canis familiaris</i>	e1(5), e7(2), e9(2), 205, 717, 917
<i>Canis lupus</i>	e9(2)
<i>Canis lupus familiaris</i>	957, 981
Cantabrian Mountains.. ..	521
capuchin.. ..	321
carbohydrate.. ..	429
CARDOSO, GONÇALO C. <i>see</i> YANG HU.. ..	863
CARLIN, CAITRÍONA M. <i>see</i> DÓMHNALL J. JENNINGS.. ..	1293
CARMEI, CRISTIAN <i>see</i> DAVID M. WALKER.. ..	351
carpenter bee.. ..	563
CARRANZA, JUAN, Sexual Selection and the Evolution of Evolutionary Theories.. ..	e5(3)
CARRIÈRE, YVES <i>see</i> DAVID W. CROWDER.. ..	579
casebearer.. ..	127
<i>Cataglyphis fortis</i>	939
CATCHPOLE, CLIVE K. <i>see</i> JOSEPH L. WOODGATE.. ..	1381
cattle.. ..	1037
<i>Cebus apella nigratus</i>	1115
<i>Cebus libidinosus</i>	321
cephalopod.. ..	613
CEZILLY, FRANK <i>see</i> NATHALIE FRANCESCHI.. ..	911
chacma baboon.. ..	1007
<i>Chaetodon ornatissimus</i>	1183
chameleon effect.. ..	e1(5)
CHAPUIS, LUCILLE, REDOUAN BSHARY, Signalling by the Cleaner Shrimp <i>Periclimenes longicarpus</i>	645
CHAPUISAT, MICHEL <i>see</i> ANABELLE REBER.. ..	467
CHARLTON, BENJAMIN D., ZHANG ZHIHE, REBECCA J. SNYDER, Giant Pandas Perceive and Attend to Formant Frequency Variation in Male Bleats.. ..	1221
cheating.... ..	957
chemical communication.. ..	17, 173, 649
chemical cue.. ..	1101, 1109
chemical defence.. ..	1067
chemical signal.. ..	17, 391
chemoreception.. ..	1067
CHENEY, DOROTHY L. <i>see</i> LIZA R. MOSCOVICE.. ..	1007
chewing behaviour.. ..	1047
chick.. ..	571
chimpanzee	227, 333, 595, 1229
CHIVERS, DOUGLAS P. <i>see</i> MAUD C.O. FERRARI.. ..	515
chromatic contrast.. ..	179
Chrysomelidae.. ..	127
cichlid.. ..	621, 1109
circle tube.. ..	563
CLARKE, J.A., White-tailed Ptarmigan Food Calls Enhance Chick Diet Choice: Learning Nutritional Wisdom? ..	25
cleaner shrimp.. ..	645
cleaning mutualism.. ..	1183
climate change.. ..	361
<i>Closterocerus ruforum</i>	1077
clutch size.. ..	1329
CLUTTON-BROCK, TIM H. <i>see</i> NOBUYUKI KITSUKAKE.. ..	271
CLUTTON-BROCK, TIM, We Do Not Need a Sexual Selection 2.0—nor a Theory of Genial Selection.. ..	e7(3)

cognition.. ..	1277
cognitive evolution.. ..	e1(2)
cohabitation.. ..	173
<i>Colaphellus bowringi</i>	1391
collective animal behaviour.. ..	895
<i>Colobus guereza</i>	89
colony founding.. ..	467
colour... ..	727, 1025
colour change... ..	1025
common frog.. ..	779
common myna.. ..	459
common principal components analysis.. ..	439
communication.. ..	e1(1), e1(6), 657, 1285
communication network.. ..	43, 1267, 1373
compatibility.. ..	927
competition.. ..	e1(3), e18(3), 709, 885
competition strategy.. ..	281
complex system.. ..	351
condition dependence... ..	947
conflict.. ..	1183
consensus costs.. ..	981
consensus decisions.. ..	981
conservation.. ..	521
consortship.. ..	1007
conspecific larva.. ..	589
contagion.. ..	e1(5)
contest.. ..	137
contest structure.. ..	1293
context dependence.. ..	531
context-dependent decision.. ..	1147
continuity illusion.. ..	1317
COOK, STEVEN C., MICKY D. EUBANKS, ROGER E. GOLD, SPENCER T. BEHMER, Colony-level Macronutrient Regulation in Ants: Mechanisms, Hoarding and Associated Costs.. ..	
cooperation.. ..	e1(3), 957, 1183
cooperative breeder.. ..	621
cooperative breeding.. ..	195, 271, 425
cooperative game theory.. ..	e1(3)
cooperative interaction.. ..	645
copperhead.. ..	993
CORDERO, PEDRO J. <i>see</i> GUSTAU CALABUIG.. ..	811
CORNELL, HEATHER N. <i>see</i> JOHN M. MARZLUFF.. ..	699
corvid... ..	927
<i>Corvus brachyrhynchos</i>	699
<i>Corvus corax</i>	927
cost.. ..	165
COSTA, FERNANDO G. <i>see</i> MARÍA J. ALBO.. ..	1031
<i>Coturnix japonica</i>	571
COULSON, T. <i>see</i> T. HART.. ..	845
courtship.. ..	1135
courtship role.. ..	1125
cowbird.. ..	385
CRAIG, DAVID P. <i>see</i> JOHN M. MARZLUFF.. ..	699
crayfish social eavesdropping.. ..	265
crested macaque.. ..	187
cricket.. ..	3, 819
CROCKFORD, CATHERINE <i>see</i> LIZA R. MOSCOVICE.. ..	1007
cross-fostering... ..	797
CROWDER, DAVID W., MICHAEL I. SITVARIN, YVES CARRIÈRE, Plasticity in Mating Behaviour Drives Asymmetric Reproductive Interference in Whiteflies.. ..	
crypsis.. ..	63
<i>Ctenomys talarum</i>	1247

cue.. ..	1307
cultural maintenance.. ..	117
culture.. ..	1353
Curculionidae.. ..	281
CURRY, BEN <i>see</i> PAUL MOQUIN.. ..	1047
CURY DE BARROS, FÁBIO, JOSÉ EDUARDO DE CARVALHO, AUGUSTO SHINYA ABE, TIANA KOHLSDORE, Fight Versus Flight: the Interaction of Temperature and Body Size Determines Antipredator Behaviour in Tegu Lizards.. ..	83
cuticular hydrocarbon.. ..	649, 1135
<i>Cyanistes caeruleus</i>	835
<i>Cyclosa ginnaga</i>	179
Cyprinidae.. ..	1339
DABELSTEEN, TORBEN <i>see</i> GIULIANO MATESSI.. ..	43
DALESMAN, SARAH, SIMON D. RUNDLE, Cohabitation Enhances the Avoidance Response to Heterospecific Alarm Cues in a Freshwater Snail.. ..	173
<i>Dama dama</i>	1293
damselfish.. ..	803
DANCHIN, ETIENNE <i>see</i> JOËL WHITE.. ..	1095
<i>Danio rerio</i>	827, 1339
<i>Daphnia</i>	603
Darwin.. ..	e5(3)
Darwin, Charles.. ..	e11(3)
DAVIE, LAUREN C., THERESA M. JONES, MARK A. ELGAR, The Role of Chemical Communication in Sexual Selection: Hair-pencil Displays in the Diamondback Moth, <i>Plutella xylostella</i>	391
DE CARVALHO, JOSÉ EDUARDO <i>see</i> FÁBIO CURY DE BARROS.. ..	83
DE LUNA, ANA GABRIELA, WALTER HÖDL, ADOLFO AMÉZQUITA, Colour, Size and Movement as Visual Subcomponents in Multimodal Communication by the Frog <i>Allobates femoralis</i>	739
dear enemy.. ..	419
dear enemy relationship.. ..	1247
death adder.. ..	555
DEBRUINE, LISA M. <i>see</i> BENEDICT C. JONES.. ..	57
DECARVALHO, TAGIDE N., KERRY L. SHAW, Elaborate Courtship Enhances Sperm Transfer in the Hawaiian Swordtail Cricket, <i>Laupala cerasina</i>	819
deception.. ..	137
deceptive signal.. ..	555
decision rule.. ..	255
decision-making process.. ..	145
DEES, NATHAN D., MICHAEL HOFMANN, SONYA BAHAR, Physical Constraints and the Evolution of Different Foraging Strategies in Aquatic Space.. ..	603
defence.. ..	709
defensive behaviour.. ..	993
delayed rejection.. ..	689
DELIBES, MIGUEL <i>see</i> ALBERTO FERNÁNDEZ-GIL.. ..	521
DEMUTH, BRANDON S. <i>see</i> BRIAN D. WISENDEN.. ..	1101
DENEUBOURG, JEAN-LOUIS <i>see</i> ANNE-CATHERINE MAILLEUX.. ..	31
density.. ..	159, 709
density dependence.. ..	e18(3), 1257
DERBY, CHARLES D. <i>see</i> MATTHEW NUSNBAUM.. ..	1067
desert ant.. ..	939
DESHPANDE, SUJATA <i>see</i> ALOK BANG.. ..	631
DESOUHANT, EMMANUEL <i>see</i> MARIE METZGER.. ..	1307
detection theory.. ..	255
deterrent.. ..	1067
DETRAIN, CLAIRE <i>see</i> ANNE-CATHERINE MAILLEUX.. ..	31
development.. ..	299, 385, 1301, 1343
developmental stress.. ..	1381
DI FIORE, ANTHONY <i>see</i> LIZA R. MOSCOVICE.. ..	1007
dialect.. ..	299
diet.. ..	1301
diet selection.. ..	25
dietary conservatism.. ..	63

DILLEN, LOBKE, KURT JORDAENS, STEFAN VAN DONGEN, THIERRY BACKELJAU, Effects of Body Size on Courtship Role, Mating Frequency and Sperm Transfer in the Land Snail <i>Succinea putris</i>	1125
DINGEMANSE, NIELS J., NED DOCHTERMANN, JONATHAN WRIGHT, A Method for Exploring the Structure of Behavioural Syndromes to Allow Formal Comparison Within and Between Data Sets..	439
direct benefit.. .. .	243
discrimination.. .. .	255, 1135, 1157, 1267
dispersal.... .. .	467, 811
displacement activity.. .. .	935
display.. .. .	137
distribution.. .. .	473
diving.... .. .	845
DOCHTERMANN, NED <i>see</i> NIELS J. DINGEMANSE.. .. .	439
DOERR, NATALIE R., Does Decoration Theft Lead to an Honest Relationship Between Male Quality and Signal Size in Great Bowerbirds?	747
dog.. .. .	e1(5), e7(2), 37, 917
dog cognition.. .. .	e1(2)
domestic dog.. .. .	e9(2), 205, 717, 957, 981
domestic pig.. .. .	857
domestication.... .. .	e1(2), 1205
domestication hypothesis.. .. .	e9(2)
dominance.. .. .	99, 657, 1037
dominance behaviour.. .. .	631
dominance hierarchy.. .. .	497, 631
dominance index.. .. .	631
dominance rank.. .. .	631
dominance signal.. .. .	187
DOMÍNGUEZ, ANA <i>see</i> ALBERTO FERNÁNDEZ-GIL.. .. .	521
DOREY, NICOLE R. <i>see</i> MONIQUE A.R. UDELL.. .. .	717
DOREY, NICOLE R., MONIQUE A.R. UDELL, CLIVE D.L. WYNNE, When Do Domestic Dogs, <i>Canis familiaris</i> , Start to Understand Human Pointing? The Role of Ontogeny in the Development of Interspecies Communication.. .. .	37
<i>Drosophila melanogaster</i>	1135
DRUMMOND, HUGH <i>see</i> SERGIO ANCONA.. .. .	75
DRURY, JONATHAN P., Immunity and Mate Choice: a New Outlook.. .. .	539
DUBOSCQ, J. <i>see</i> F. SÈBE.. .. .	1055
DUNBAR, R.I.M. <i>see</i> AMANDA H. KORSTJENS.. .. .	361
dyadic encounter.. .. .	797
DYER, JOHN R.G. <i>see</i> JOLYON J. FARIA.... .. .	895
EAG.. .. .	1077
early environment.. .. .	621, 1381
eastern bluebird.. .. .	727
eavesdropping.. .. .	1267
EBERHARD, WILLIAM G., Recovery of Spiders from the Effects of Parasitic Wasps: Implications for Fine-tuned Mechanisms of Manipulation.. .. .	375
echolocation.. .. .	787
ecological condition.. .. .	425
ecological constraint.. .. .	515
ecological immunology.. .. .	3
ecological model.. .. .	361
ecologically relevant conditioned response.. .. .	699
efficiency.. .. .	321
egg adoption.. .. .	547
egg dumping.. .. .	1329
egg-laying pattern.. .. .	1329
ejaculate protection.. .. .	819
ejaculatory behaviour.. .. .	613
ELGAR, MARK A. <i>see</i> LAUREN C. DAVIE.. .. .	391
ELGAR, MARK A. <i>see</i> THERÉSA M. JONES.. .. .	11
ELWOOD, ROBERT W. <i>see</i> GARETH ARNOTT.. .. .	137
emergency.. .. .	473

FEINBERG, DAVID R. <i>see</i> BENEDICT C. JONES..	57
female choice..	e11(3), 237, 391, 547, 1257, 1381
female mate choice..	771
female mate preference..	333, 1391
female mating history..	613
female pheromone..	1191
female polymorphism..	211
female resistance..	165
female song preference..	877
female-female interaction..	885
fence lizard..	291
FERNÁNDEZ-GIL, ALBERTO, JON E. SWENSON, CARLOS GRANDA, TRINIDAD PÉREZ, ANA DOMÍNGUEZ, ANDRÉS ORDIZ, JAVIER NAVES, MIGUEL DELIBES, Evidence of Sexually Selected Infanticide in an Endangered Brown Bear Population..	521
FERRARI, MAUD C.O., KENTON R. LYSAK, DOUGLAS P. CHIVERS, Turbidity as an Ecological Constraint on Learned Predator Recognition and Generalization in a Prey Fish..	515
fertility..	1391
FERVEUR, JEAN-FRANÇOIS <i>see</i> CLAUDE EVERAERTS..	1135
fiddler crab..	419, 735
field experiment..	117
field study..	1101
fighting..	1293
fighting ability..	89
filial cannibalism..	237
filter feeder..	603
fire ant..	291, 429
firehead tetra..	679
FISCHBEIN, DEBORAH <i>see</i> MARIE METZGER..	1307
FISCHER, JULIA <i>see</i> STEFANIE HENKEL..	1199
fish..	679, 709, 1339
fitness....	509, 579
FITZPATRICK, JOHN L., Pattern of Individual Participation and Cheating in Conflicts Between Groups of Free-ranging Dogs..	969
flight..	1087
flight-muscle dimorphism..	1087
flight-muscle histolysis..	1087
floater...	419
following..	827
FONDRK, M. KIM <i>see</i> KATE E. IHLE..	1001
food..	473
food amount hypothesis..	1095
food calling..	25
food choice..	3
food supplementation...	1095
foraging..	31, 153, 211, 689, 709, 1037
foraging behaviour..	429
foraging decision..	1147
foraging strategy..	603, 845
formal dominance..	981
formant dispersion..	205
formant frequency..	1221
<i>Formica selysi</i> ..	467
FORTMEIER, WOLFGANG <i>see</i> ELISABETH BOLUND..	947
FORT, KEVIN T. <i>see</i> MARISA HOESCHELE..	657
fowl..	1373
FRAGASY, D., T. PICKERING, Q. LIU, P. IZAR, E. OTTONI, E. VISALBERGHI, Bearded Capuchin Monkeys' and a Human's Efficiency at Cracking Palm Nuts with Stone Tools: Field Experiments..	321
FRANCESCHI, NATHALIE, JEAN-FRANÇOIS LEMAÎTRE, FRANK CÉZILLY, LOÏC BOLLACHE, Size-assortative Pairing in <i>Gammarus pulex</i> (Crustacea: Amphipoda): a Test of the Prudent Choice Hypothesis..	911
FRANCIS, FRÉDÉRIC <i>see</i> RAKI ALMOHAMAD..	589

FRANKS, NIGEL R. <i>see</i> ANA B. SENDOVA-FRANKS..	473
FRASER, ORLAITH N., THOMAS BUGNYAR, The Quality of Social Relationships in Ravens..	927
FRED, MARIANNE S, JON E. BROMMER, Olfaction and Vision in Host Plant Location by <i>Parnassius apollo</i> Larvae: Consequences for Survival and Dynamics..	313
FREDERICK, KATY <i>see</i> KATE E. IHLE..	1001
FREED-BROWN, GRACE <i>see</i> DAVID J. WHITE..	385
free-tailed bat	787
frequency-dependent selection..	63, 211
FRESNEAU, DOMINIQUE <i>see</i> PIERRE BLACHER..	99
FRIEL, MARY <i>see</i> SUZANNE D.E. HELD..	857
friendship..	1007
FRITZ, HERVÉ <i>see</i> STÉPHANIE PÉRIQUET..	665
functional reference..	e1(6)
fundamental frequency..	57, 1221
FUNK, DANIEL J. <i>see</i> CHRISTOPHER G. BROWN..	127
GADAGKAR, RAGHAVENDRA <i>see</i> ALOK BANG...	631
<i>Gallus gallus</i> ..	1373
game theory ..	e18(3)
<i>Gammarus pulex</i> ..	911
GAMMELL, MARTIN P. <i>see</i> DÓMHNALL J. JENNINGS..	1293
GAN, WENJIN <i>see</i> EUNICE J. TAN..	179
GARNETT, DANIEL T. <i>see</i> XIMENA J. NELSON..	555
gastropod..	173
GC level...	1199
gender conflict..	1125
generalization..	515
genetic diversity..	903
genetic selection..	571
genial gene..	e18(3)
genial selection..	e7(3)
genic capture..	947
GENTY, E. <i>see</i> L. MARECHAL..	1157
geometric framework ..	429
GERICK, ANDREW S. <i>see</i> DAVID J. WHITE..	385
<i>Gerygone igata</i> ..	401
GHERARDI, FRANCESCA <i>see</i> LAURA AQUILONI..	265
giant panda..	1221
giraffe...	665
glucocorticoid...	1199
gluconeogenesis..	429
GOH, POH MOI <i>see</i> EUNICE J. TAN..	179
GOLD, ROGER E. <i>see</i> STEVEN C. COOK..	429
GPS..	1037
GRACE, MICHAEL S. <i>see</i> JAMES URBAN VAN DYKE..	993
graded signal..	917
GRANDA, CARLOS <i>see</i> ALBERTO FERNÁNDEZ-GIL..	521
graph..	351
gray treefrog..	1317
grazing behaviour..	351
great bowerbird..	747
great pond snail..	173
great reed warbler..	1363
green treefrog..	1257
green-veined white butterfly..	1173
grey mouse lemur..	1211
grey warbler..	401
greylag goose..	1277
GRIFFIN, ANDREA S., HAYLEY M. BOYCE, GEOFF R. MACFARLANE, Social Learning About Places: Observers May Need to Detect Both Social Alarm and Its Cause to Learn..	459
GRIFFITH, SIMON C., CLARE E. HOLLELEY, MYLENE M. MARIETTE, SARAH R. PRYKE, NINA SVEDIN, Low Level of Extrapair Parentage in Wild Zebra Finches..	261

HENKEL, STEFANIE, MICHAEL HEISTERMANN, JULIA FISCHER, Infants as Costly Social Tools in Male Barbary Macaque Networks..	1199
HENRY, SÉVERINE <i>see</i> CAROL SANKEY..	869
HERBERSTEIN, M.E. <i>see</i> S. PEKÁR..	1301
HERBERSTEIN, MARIE E. <i>see</i> KATHERINE L. BARRY..	1165
HERBORN, KATHERINE A., ROSS MACLEOD, WILL T.S. MILES, ANNEKA N.B. SCHOFIELD, LUCILLE ALEXANDER, KATHRYN E. ARNOLD, Personality in Captivity Reflects Personality in the Wild ..	835
hermaphrodite..	1125
hermit crab..	137
HERRERA, M.I. <i>see</i> A.G. FARJI-BRENER..	343
HERZ, H. <i>see</i> N. SAVERSCHEK..	689
heterozygosity...	903
hierarchy..	99
high-pitched vocalization..	1055
HILKER, M. <i>see</i> I. BEYAERT..	1077
HILL, GEOFFREY E. <i>see</i> RUSSELL A. LIGON..	727
HÖBEL, GERLINDE, Interaction Between Signal Timing and Signal Feature Preferences: Causes and Implications for Sexual Selection..	1257
HÖDL, WALTER <i>see</i> ANA GABRIELA DE LUNA..	739
HÖDL, WALTER <i>see</i> MARC SZTATECSNY..	779
HOESCHELE, MARISA, MICHELE K. MOSCICKI, KEN A. OTTER, HARRY VAN OORT, KEVIN T. FORT, TARA M. FARRELL, HOMAN LEE, SCOTT W.J. ROBSON, CHRISTOPHER B. STURDY, Dominance Signalled in an Acoustic Ornament..	657
HOFFMANN, FRAUKE <i>see</i> KERSTIN MUSOLE..	757
HOFMANN, MICHAEL <i>see</i> NATHAN D. DEES..	603
HÖJESJÖ, JOHAN <i>see</i> RASMUS KASPERSSON..	709
HOLLELEY, CLARE E. <i>see</i> SIMON C. GRIFFITH..	261
HOLWELL, GREGORY I. <i>see</i> KATHERINE L. BARRY..	1165
homologous adaptation..	e7(2)
honest signal..	727
honest signalling..	747, 947
honesty..	137
honeybee..	649, 935, 1001
horse..	869, 1205
host location ..	1077
host plant density..	313
host plant location..	313
host plant selection..	689
host selection..	1329
host-parasite..	51
host-parasite interaction..	107
HOUELIER, C. <i>see</i> C. SCHWEITZER..	571
hoverfly..	589
HU, YANG, GONÇALO C. CARDOSO, Which Birds Adjust the Frequency of Vocalizations in Urban Noise?..	863
HUFFMAN, MICHAEL A. <i>see</i> JEAN-BAPTISTE LECA..	117
human..	321, 895, 903
human gesture ..	37
human pointing gesture..	717
human-animal relationship..	869
hunger..	153
Hwange National Park...	665
<i>Hyla cinerea</i> ..	1257
Hymenoptera..	165
IHLE, KATE E., ROBERT E. PAGE, JR, KATY FREDERICK, M. KIM FONDRK, GRO V. AMDAM, Genotype Effect on Regulation of Behaviour by <i>vitellogenin</i> Supports Reproductive Origin of Honeybee Foraging Bias ..	1001
imaging sensory system..	993
immature insect..	127
immunity..	539
immunocompetence..	539
inadvertent social cue..	895

Indian mynah...	459
indirect benefit..	243
indirect social influence..	117
individual discrimination..	99, 857, 1267
individual recognition...	265, 699, 1267
individual variation in leadership..	981
individual-based modelling..	63
individually distinctive signal..	1267
inequity..	1229
infant care..	1007
infant handling..	1115
information..	e1(6), 255, 895
information gathering...	1101
infrared vision..	993
initial survival...	313
insect..	3, 939
insect host location..	451
insect-plant interaction..	127
insulin-like signalling..	973
interaction..	281
intercohort..	709
intergroup encounter..	89
interspecific communication..	1205
interspecific eavesdropping..	411
interspecific variation..	195
intraspecific brood parasitism..	261, 1329
intraspecific competition..	281
intraspecific killing..	521
intraspecific variation..	195, 425
invasion...	291
invasive..	159
invertebrate..	265
<i>Ischnura senegalensis</i> ..	211
island ..	159
IZAR, P. <i>see</i> D. FRAGASY..	321
Jacky dragon..	555
JAMES, RICHARD <i>see</i> ANA B. SENDOVA-FRANKS..	473
Japanese macaque..	117
Japanese quail...	571
JARVIS, JENNA, KIRSTEN M. BOHN, JEDEDIAH TRESSLER, MICHAEL SMOTHERMAN, A Mechanism for Antiphonal Echolocation by Free-tailed Bats..	787
JENNINGS, DÓMHNALL J., CAITRÍONA M. CARLIN, THOMAS J. HAYDEN, MARTIN P. GAMMELL, Investment in Fighting in Relation to Body Condition, Age and Dominance Rank in the Male Fallow Deer, <i>Dama dama</i> ..	1293
JENNIONS, M.D. <i>see</i> R.N.C. MILNER..	735
JENNIONS, MICHAEL D. <i>see</i> ISOBEL BOOKSMYTHE..	419
JONES, BENEDICT C., DAVID R. FEINBERG, LISA M. DEBRUINE, ANTHONY C. LITTLE, JOVANA VUKOVIC, A Domain-specific Opposite-sex Bias in Human Preferences for Manipulated Voice Pitch..	57
JONES, IAN L. <i>see</i> SAMPATH S. SENEVIRATNE..	637
JONES, SAMANTHA <i>see</i> SUZANNE D.E. HELD..	857
JONES, THERÉSA M. <i>see</i> LAUREN C. DAVIE..	391
JONES, THERÉSA M., MARK A. ELGAR, GÖRAN ARNQVIST, Extreme Cost of Male Riding Behaviour for Juvenile Females of the Zeus Bug..	11
JORDAENS, KURT <i>see</i> LOBKE DILLEN..	1125
judicious risk taking..	1373
juvenile female..	11
juvenile hormone..	17, 973, 1001
KAITALA, ARJA <i>see</i> PANU VÄLIMÄKI..	1173
KAMINSKI, JULIANE <i>see</i> BRIAN HARE..	e1(2)

KANO, FUMIHIRO, MASAKI TOMONAGA, Face Scanning in Chimpanzees and Humans:	
Continuity and Discontinuity..	227
KAPPELER, PETER M. <i>see</i> STEPHAN T. LEU..	217
KASPERSSON, RASMUS, JOHAN HÖJESJÖ, STIG PEDERSEN, Effects of Density on Foraging Success and	
Aggression in Age-structured Groups of Brown Trout..	709
KASUYA, EIITI, Wilcoxon Signed-ranks Test: Symmetry Should Be Confirmed Before the Test..	765
KEHMEIER, SOPHIA <i>see</i> BRIGITTE M. WEIß..	1277
KELLEY, JENNIFER L. <i>see</i> GWENDOLEN M. RODGERS..	1025
KEMPENAERS, BART <i>see</i> ELISABETH BOLUND..	947
kin selection..	243, 957, 1109, 1373
kin structure..	1017
kinship..	1343
kisslip cuttlefish..	613
KITCHEN, DAWN M. <i>see</i> LIZA R. MOSCOVICE..	1007
kleptoparasite..	1147
KLIMEK, THOMAS <i>see</i> ANA B. SENDOVA-FRANKS..	473
KNADEN, MARKUS <i>see</i> KATHRIN STECK..	939
KNOLL, KRISTINE E. <i>see</i> BRIAN D. WISENDEN..	1101
KOHLSDORF, TIANA <i>see</i> FÁBIO CURY DE BARROS..	83
KOKOLAKIS, ARTEMI, CAROLYNN L. SMITH, CHRISTOPHER S. EVANS, Aerial Alarm Calling by	
Male Fowl (<i>Gallus gallus</i>) Reveals Subtle New Mechanisms of Risk Management..	1373
KÖNIG, BARBARA <i>see</i> CARSTEN SCHRADIN..	195
KORSTJENS, AMANDA H., JULIA LEHMANN, R.I.M. DUNBAR, Resting Time as	
an Ecological Constraint on Primate Biogeography..	361
KRAUSE, J. <i>see</i> P. GUEVARA-FIORE..	1191
KRAUSE, JENS <i>see</i> JOLYON J. FARIA..	895
KRILOFF, MARION <i>see</i> JOËL WHITE..	1095
KUANG, XIAN-JU <i>see</i> XING-PING LIU..	1391
kudu..	665
KUTSUKAKE, NOBUYUKI, TIM H. CLUTTON-BROCK, Grooming and	
the Value of Social Relationships in Cooperatively Breeding Meerkats..	271
<i>Labroides dimidiatus</i> ..	1183
LACAILLE, FABIEN <i>see</i> CLAUDE EVERAERTS..	1135
<i>Lagopus leucurus</i> ..	25
Lake Tanganyika..	1109
LALAND, KEVIN <i>see</i> MAGNUS ENQUIST..	1353
LAMBETH, SUSAN P. <i>see</i> SARAH F. BROSNAN..	1229
land snail..	1125
landmark..	939
landscape features..	531
LANGKILDE, TRACY, Repeated Exposure and Handling Effects on the Escape Response of	
Fence Lizards to Encounters with Invasive Fire Ants..	291
larva..	313
larval track..	589
<i>Lasiopodomys brandti</i> ..	797
<i>Lasius niger</i> ..	31
lateral system..	679
laterality....	1339
<i>Laupala</i> ..	819
LE VIN, A.L., B.K. MABLE, K.E. ARNOLD, Kin Recognition Via Phenotype Matching	
in a Cooperatively Breeding Cichlid, <i>Neolamprologus pulcher</i> ..	1109
LE, JEFFREY <i>see</i> SHELLEY A. ADAMO..	3
leader preference..	1257
leadership..	895, 1037
leaf beetle..	127
leaf-cutting ant..	343, 689
learning..	173, 291, 299, 515, 699, 717, 869
LECA, JEAN-BAPTISTE, NOËLLE GUNST, MICHAEL A. HUFFMAN,	
Indirect Social Influence in the Maintenance of the Stone-handling Tradition in	
Japanese Macaques, <i>Macaca fuscata</i> ..	117
LECLAIRE, SARAH <i>see</i> JOËL WHITE..	1095

LECOUTEY, EMMANUEL <i>see</i> PIERRE BLACHER...	99
LEE, HOMAN <i>see</i> MARISA HOESCHELE..	657
LEE, JIN-WON, YUN-KYOUNG LEE, BEN J. HATCHWELL, Natal Dispersal and Philopatry in a Group-living But Noncooperative Passerine Bird, the Vinous-throated Parrotbill..	1017
LEE, THOMAS J., NICOLA M. MARPLES, MICHAEL P. SPEED, Can Dietary Conservatism Explain the Primary Evolution of Aposematism?..	63
LEE, YUN-KYOUNG <i>see</i> JIN-WON LEE..	1017
LEHMANN, JULIA <i>see</i> AMANDA H. KORSTJENS..	361
LEITNER, STEFAN <i>see</i> JOSEPH L. WOODGATE..	1381
LEMAÎTRE, JEAN-FRANÇOIS <i>see</i> NATHALIE FRANCESCHI..	911
lemur..	1157
LENIOWSKI, KONRAD <i>see</i> EWA WĘGRZYN..	1363
LEROY, HÉLÈNE <i>see</i> CAROL SANKEY..	869
lesser kestrel..	811
lethal equivalent..	947
LEU, STEPHAN T., JIM BASHFORD, PETER M. KAPPELER, C. MICHAEL BULL, Association Networks Reveal Social Organization in the Sleepy Lizard..	217
LÉVY, F. <i>see</i> C. SCHWEITZER..	571
LI, DAIQIN <i>see</i> EUNICE J. TAN..	179
LI, QILIN, LI ZHANG, Parent-Offspring Recognition in Brandt's Voles, <i>Lasiopodomys brandti</i> ..	797
LIE, HANNE C., GILLIAN RHODES, LEIGH W. SIMMONS, Is Genetic Diversity Associated with Mating Success in Humans?..	903
life history..	1293
life history trade-off..	1087
life history trait..	281
LIGON, RUSSELL A., GEOFFREY E. HILL, Sex-biased Parental Investment is Correlated with Mate Ornamentation in Eastern Bluebirds..	727
LIGOUT, S. <i>see</i> F. SÈBE..	1055
limiting resource..	1211
LINDEYER, CHARLOTTE M., SIMON M. READER, Social Learning of Escape Routes in Zebrafish and the Stability of Behavioural Traditions..	827
linguistics..	e1(1), e1(6)
LINKE, ADAM J. <i>see</i> BRIAN D. WISENDEN..	1101
lipid..	3, 429
LITTLE, ANTHONY C. <i>see</i> BENEDICT C. JONES....	57
LIU, FENGXIANG <i>see</i> EUNICE J. TAN..	179
LIU, Q. <i>see</i> D. FRAGASZY..	321
LIU, XING-PING, HAI-MIN HE, XIAN-JU KUANG, FANG-SEN XUE, A Comparison of Female Fitness Between Monogamy and Polyandry in the Cabbage Beetle, <i>Colaphellus bowringi</i> ..	1391
LOGNAY, GEORGES <i>see</i> RAKI ALMOHAMAD..	589
longevity..	1391
loud call....	187
LOUGHIN, THOMAS M. <i>see</i> JAMES W. RIVERS..	107
LOVERIDGE, ANDREW J. <i>see</i> STÉPHANIE PÉRIQUET..	665
low-pitched vocalization..	1055
<i>Lucania goodei</i> ..	497
luminance contrast..	779
LUMINEAU, S. <i>see</i> C. SCHWEITZER..	571
LUTERMANN, HEIKE, LUKE VERBURGT, ANTJE RENDIGS, Resting and Nesting in a Small Mammal: Sleeping Sites as a Limiting Resource for Female Grey Mouse Lemurs..	1211
<i>Lycan pictus</i> ..	425
<i>Lymnaea stagnalis</i> ..	173
LYSAK, KENTON R. <i>see</i> MAUD C.O. FERRARI..	515
MABLE, B.K. <i>see</i> A.L. LE VIN..	1109
<i>Macaca fuscata</i>	117
<i>Macaca nigra</i> ..	187
<i>Macaca sylvanus</i> ..	1199
macaroni penguin..	845
MACDONALD, DAVID W. <i>see</i> MARKUS GUSSET..	425
MACDONALD, DAVID W. <i>see</i> STÉPHANIE PÉRIQUET..	665
MACFARLANE, GEOFF R. <i>see</i> ANDREA S. GRIFFIN..	459

MACHADO, GLAUCO <i>see</i> TAIS M. NAZARETH..	547
MACKAY, JAMIE W.B. <i>see</i> JAMES C. RUSSELL..	159
MACLEOD, ROSS <i>see</i> KATHERINE A. HERBORN..	835
MADZIKANDA, HILLARY <i>see</i> STÉPHANIE PÉRIQUET..	665
MAGRATH, R.D. <i>see</i> T.M. HAFE..	487
MAGRATH, ROBERT D. <i>see</i> PAMELA M. FALLOW..	411
MAILLEUX, ANNE-CATHERINE, AURELIE BUFFIN, CLAIRE DETRAIN, JEAN-LOUIS DENEUBOURG, Recruiter or Recruit: Who Boosts the Recruitment in Starved Nests in Mass Foraging Ants?	31
maize weevil..	281
major histocompatibility complex..	539
male aggression..	333
male cost adjustment..	75
male display..	771
male harassment..	211, 1147
male lizard..	75
male mating effort..	1031
male mating success..	673
male spermatophore..	509
male-infant interaction..	1199
male-male competition..	e11(3), 391, 747
males and females..	e5(3)
<i>Malurus cyaneus</i> ..	411
MANICA, ANDREA, Female Scissortail Sergeants (Pisces: Pomacentridae) Use Test Eggs to Choose Good Fathers..	237
<i>Manorina melanophrys</i> ..	243
MARECHAL, L., E. GENTY, J.J. ROEDER, Recognition of Faces of Known Individuals in Two Lemur Species (<i>Eulemur fulvus</i> and <i>E. macaco</i>) ..	1157
MARIETTE, MYLENE M. <i>see</i> SIMON C. GRIFFITH..	261
marker cue,..	1205
MARPLES, NICOLA M. <i>see</i> THOMAS J. LEE..	63
MARTIN, KATRIN <i>see</i> ELISABETH BOLUND..	947
MARZLUFF, JOHN M., JEFF WALLS, HEATHER N. CORNELL, JOHN C. WITHEY, DAVID P. CRAIG, Lasting Recognition of Threatening People by Wild American Crows..	699
mate choice..	57, 145, 265, 539, 877, 1135, 1165, 1381
mate defence..	89
mate guarding...	11, 75
mate location..	1165
mate preference..	57
mate searching..	1191
maternal behaviour..	1055
MATESSI, GIULIANO, RICARDO J. MATOS, TOM M. PEAKE, PETER K. MCGREGOR, TORBEN DABELSTEEN, Effects of Social Environment and Personality on Communication in Male Siamese Fighting Fish in an Artificial Network..	43
mating behaviour..	509, 1125
mating duration..	1391
mating preference..	1381
mating strategy..	1007
mating success..	385, 819, 903
mating system..	e11(3), 1307
mating systems theory...	e18(3)
mating tactics..	885
MATOS, RICARDO J. <i>see</i> GIULIANO MATESSI..	43
MAYNTZ, D. <i>see</i> S. PEKÁR..	1301
MCCOMB, K. <i>see</i> A.M. TAYLOR..	205
MCCOMB, KAREN <i>see</i> LEANNE PROOPS..	1205
MCCORMICK, MARK I. <i>see</i> MARK G. MEEKAN...	803
MCDANIEL, J. GREGORY <i>see</i> MICHAEL S. CALDWELL..	255
MCDONALD, PAUL G., JOHN G. EWEN, JONATHAN WRIGHT, Brood Sex Ratio Does Not Affect Helper Effort in a Cooperative Bird, Despite Extreme Sex-biased Dispersal..	243

MCGHEE, KATIE E., JOSEPH TRAVIS, Repeatable Behavioural Type and Stable Dominance Rank in the Bluefin Killifish..	497
MCGREGOR, PETER K. <i>see</i> GIULIANO MATESSI..	43
MCMORLAND, ANGUS J.C. <i>see</i> JAMES C. RUSSELL..	159
mean d^2	903
meaning..	e1(1), e1(6)
mechanosensory trait..	637
MEEKAN, MARK G., CORINNA VON KUERTHY, MARK I. MCCORMICK, BEN RADFORD, Behavioural Mediation of the Costs and Benefits of Fast Growth in a Marine Fish..	803
meerkat..	271
<i>Megachile rotundata</i> ..	165
<i>Melanotaenia australis</i> ..	1025
memorization...	299
memory..	689, 699, 869, 1247
MENDL, MICHAEL T. <i>see</i> SUZANNE D.E. HELD...	857
MENNILL, DANIEL J. <i>see</i> DAVID R. WILSON..	1267
methylgeranate..	17
METZGER, MARIE, DEBORAH FISCHBEIN, ALEXANDRA AUGUSTE, XAVIER FAUVERGUE, CARLOS BERNSTEIN, EMMANUEL DESOUHANT, Synergy in Information Use for Mate Finding: Demonstration in a Parasitoid Wasp..	1307
MEUNIER, JOËL <i>see</i> ANABELLE REBER..	467
<i>Microcebus murinus</i> ..	1211
MIKLÓSI, ÁDÁM <i>see</i> TAMÁS FARAGÓ..	917
MILES, WILL T.S. <i>see</i> KATHERINE A. HERBORN...	835
MILNER, R.N.C., I. BOOKSMYTHE, M.D. JENNIONS, P.R.Y. BACKWELL, The Battle of the Sexes? Territory Acquisition and Defence in Male and Female Fiddler Crabs..	735
MILONAS, PANAGIOTIS G., DAVID A. ANDOW, Virgin Male Age and Mating Success in <i>Ostrinia nubilalis</i> (Lepidoptera: Crambidae) ..	509
mimicry..	e1(5)
mobbing..	699
<i>Molothrus ater</i> ..	107, 299, 385, 1285
momentary proximal point..	37
momentum..	603
monandry..	1173
monkey..	361
monocular test..	1339
monogamy..	1391
MONTEIRO, N.M. <i>see</i> K. SILVA...	885
MOQUIN, PAUL, BEN CURRY, FANIE PELLETIER, KATHREEN E. RUCKSTUHL, Plasticity in the Rumination Behaviour of Bighorn Sheep: Contrasting Strategies Between the Sexes? ..	1047
MORI, TOHRU <i>see</i> TOSHIFUMI WADA..	613
morphological similarity..	e7(2)
MORRELL, LESLEY J. <i>see</i> GWENDOLEN M. RODGERS..	1025
MORRIS, MOLLY R., OSCAR RIOS-CARDENAS, JASON BREWER, Variation in Mating Preference Within a Wild Population Influences the Mating Success of Alternative Mating Strategies..	673
mortality..	803
MOSCICKI, MICHELE K. <i>see</i> MARISA HOESCHELE..	657
MOSCOVICE, LIZA R., ANTHONY DI FIORE, CATHERINE CROCKFORD, DAWN M. KITCHEN, ROMAN WITTIG, ROBERT M. SEYFARTH, DOROTHY L. CHENEY, Hedging Their Bets? Male and Female Chacma Baboons Form Friendships Based on Likelihood of Paternity..	1007
mother-offspring relationship..	595
motor bias..	1339
motor performance..	771
movement..	159
movement-based signal..	555
MULARD, HERVÉ <i>see</i> JOËL WHITE..	1095
MÜLLER, JOSEF K. <i>see</i> WOLF HABERER..	17
multimodal..	1285
multimodal communication..	739
multimodal signal..	1165
multimodal signalling..	1147

MURPHY, EIMEAR <i>see</i> SUZANNE D.E. HELD..	857
<i>Mus musculus musculus</i> ...	757
MUSOLE, KERSTIN, FRAUKE HOFFMANN, DUSTIN J. PENN, Ultrasonic Courtship Vocalizations in Wild House Mice, <i>Mus musculus musculus</i> ..	757
mutualism..	645, 957
myrmecophagy..	1301
<i>Myrmeleon hyalinus</i> ..	153
Myrmeleontidae..	153
<i>Myzus persicae</i> ..	589
Nash bargaining solution..	e1(3), e18(3)
Nash competitive equilibrium..	e1(3)
natal dispersal...	1017
NATOLI, EUGENIA <i>see</i> ROBERTO BONANNI..	957, 981
NATSUKARI, YUTAKA <i>see</i> TOSHIFUMI WADA..	613
natural intergroup conflict..	957
natural selection..	e5(3), e11(3), 547, 637
NAVES, JAVIER <i>see</i> ALBERTO FERNÁNDEZ-GIL..	521
navigation ..	939
NAZARETH, TAIS M., GLAUCO MACHADO, Mating System and Exclusive Postzygotic Paternal Care in a Neotropical Harvestman (Arachnida: Opiliones) ..	547
neighbour..	419
NELSON, XIMENA J., DANIEL T. GARNETT, CHRISTOPHER S. EVANS, Receiver Psychology and the Design of the Deceptive Caudal Luring Signal of the Death Adder..	555
<i>Neochlamisus</i> ..	127
<i>Neolamprologus pulcher</i> ..	621, 1109
neophobia..	63, 835
<i>Nephila clavipes</i> ..	1147
nepotism..	595
nest visiting..	811
nestling..	487
nestmate recognition..	563
network..	217, 473, 1343
NEUMANN, CHRISTOF, GHOLIB ASSAHAD, KURT HAMMERSCHMIDT, DYAH PERWITASARI-FARAJALLAH, ANTJE ENGELHARDT, Loud Calls in Male Crested Macaques, <i>Macaca nigra</i> : a Signal of Dominance in a Tolerant Species..	187
neuromast..	679
New World primate..	1115
niche construction..	117
<i>Nicrophorus vespilloides</i> ...	17
noise..	787
NONACS, PETER <i>see</i> BENJAMIN H. ROSSI..	165
noncompetitive game theory..	e1(3)
nonhost recognition..	451
nonhuman primate..	1199
nonparametric..	765
novelty..	487
NOWBAHARI, ELISE <i>see</i> PIERRE BLACHER..	99
nuclear hormone receptor..	973
nuptial feeding..	1173
nuptial gift..	819
NUSNBAUM, MATTHEW, CHARLES D. DERBY, Ink Secretion Protects Sea Hares by Acting on the Olfactory and Nonolfactory Chemical Senses of a Predatory Fish..	1067
nut cracking..	321
nutrient..	1301
O'LOGHLEN, ADRIAN L., STEPHEN I. ROTHSTEIN, Multimodal Signalling in a Songbird: Male Audiovisual Displays Vary Significantly by Social Context in Brown-headed Cowbirds..	1285
object-choice task..	e9(2), 717
observational conditioning..	459
oddity....	1025
Odonata....	211
odour..	1109

odour blend.. ..	451
odour cues.. ..	1247
offspring solicitation.. ..	107
olfaction.. ..	313, 451, 939, 1135
olfactory cue.. ..	1191
olfactory orientation.. ..	1077
O'LOGHLEN, ADRIAN L., STEPHEN I. ROTHSTEIN, Delayed Sensory Learning and Development of Dialect Songs in Brown-headed Cowbirds, <i>Molothrus ater</i>	299
ontogeny.. ..	621
operant conditioning.. ..	877
operational sex ratio (OSR)	885
opisthobranch.. ..	1067
orb web.. ..	375
orb-weaving spider.. ..	179
ORDIZ, ANDRÉS see ALBERTO FERNÁNDEZ-GIL.. ..	521
<i>Ormia ochracea</i>	51
ornament.. ..	727
ornate butterflyfish.. ..	1183
ORTEGO, JOAQUÍN see GUSTAU CALABUIG.. ..	811
OSIEJUK, TOMASZ S. see EWA WĘGRZYN.. ..	1363
<i>Ostrinia nubilalis</i>	509
other-regarding preference.. ..	595
OTTER, KEN A. see MARISA HOESCHELE.. ..	657
OTTONI, E. see D. FRAGASZY.. ..	321
OVADIA, OFER see INON SCHARE.. ..	153
ovary.. ..	973
oviposition.. ..	211
oviposition acceleration.. ..	1031
oviposition site selection.. ..	589
oviposition-detering substance.. ..	589
<i>Ovis aries</i>	351, 1055
<i>Ovis canadensis</i>	1047
<i>Pachycondyla apicalis</i>	99
paddlefish.. ..	603
PAGE, ROBERT E., JR see GRO V. AMDAM.. ..	973
PAGE, ROBERT E., JR see KATE E. IHLE.. ..	1001
<i>Pagurus bernhardus</i>	137
pair living.. ..	217
pairwise comparison.. ..	637
palm nut	321
<i>Pan troglodytes</i>	227, 333, 595, 1229
PANAMÁ, JOSÉ L. ARIAS see RADKA ŠÁROVÁ	1037
Panama	689
<i>Papio hamadryas ursinus</i>	1007
<i>Paradoxornis webbianus</i>	1017
parasite.. ..	51
parasitic manipulation of host.. ..	375
parasitic wasp.. ..	1077
parasitoid.. ..	51, 1307
parasitoid wasp.. ..	375
<i>Paratrechalea ornata</i>	1031
parent feeding....	107
parent-offspring communication.. ..	401
parent-offspring recognition.. ..	797
parental behaviour.. ..	727
parental care.. ..	237
PARMENTIER, ERIC see KARINE FAUCHER.. ..	679
<i>Parnassius apollo</i>	313
partner choice....	1183
partner control.. ..	645
paternity.. ..	1007

PEAKE, TOM M. <i>see</i> GIULIANO MATESSI..	43
PEDERSEN, STIG <i>see</i> RASMUS KASPERSSON..	709
PEKÁR, S., D. MAYNTZ, T. RIBEIRO, M.E. HERBERSTEIN, Specialist Ant-eating Spiders Selectively Feed on Different Body Parts to Balance Nutrient Intake..	1301
PELLETIER, FANIE <i>see</i> PAUL MOQUIN..	1047
PENN, DUSTIN J. <i>see</i> KERSTIN MUSOLE..	757
perceptual restoration....	1317
PÉREZ, TRINIDAD <i>see</i> ALBERTO FERNÁNDEZ-GIL..	521
PÉREZ-BARBERÍA, F.J. <i>see</i> DAVID M. WALKER..	351
PÉREZ-FERNÁNDEZ, E. <i>see</i> DAVID M. WALKER..	351
performance..	1301
<i>Periclimenes longicarpus</i> ..	645
PÉRIQUET, STÉPHANIE, MARION VALEIX, ANDREW J. LOVERIDGE, HILLARY MADZIKANDA, DAVID W. MACDONALD, HERVÉ FRITZ, Individual Vigilance of African Herbivores While Drinking: the Role of Immediate Predation Risk and Context..	665
personality..	43, 439, 497
PERWITASARI-FARAJALLAH, DYAH <i>see</i> CHRISTOF NEUMANN..	187
PESO, MARIANNE, MIRIAM H. RICHARDS, Knowing Who's Who: Nestmate Recognition in the Facultatively Social Carpenter Bee, <i>Xylocopa virginica</i> ..	563
phenotype-linked fertility hypothesis..	1239
phenotypic plasticity..	255
philopatry..	1017, 1363
phonemic restoration..	1317
phonotaxis..	145
<i>Phoreticovelia disparata</i> ..	11
phylogeny..	173
<i>Physalaemus pustulosus</i>	145
PICKERING, T. <i>see</i> D. FRAGASZY..	321
PICKETT, JOHN <i>see</i> BEN WEBSTER..	451
<i>Pieris napi</i> ..	1173
PILLAY, NEVILLE <i>see</i> CARSTEN SCHRADIN..	195
<i>Pimphales promelas</i> ..	515
pit organ..	993
pit viper..	993
PITTS-SINGER, THERESA L. <i>see</i> BENJAMIN H. ROSSI..	165
planidia..	51
PLANQUÉ, ROBERT <i>see</i> ANA B. SENDOVA-FRANKS..	473
plant volatile..	1077
plasticity..	1047
playback..	739, 1055
playback experiment..	205
plumage....	727
PODOS, JEFFREY <i>see</i> JOHN BYERS..	771
<i>Poecile atricapillus</i> ..	657
<i>Poecilia reticulata</i> ..	1191
POINDRON, P. <i>see</i> F. SÈBE..	1055
pointing....	e7(2), 1205
POLLACK, GERALD S. <i>see</i> PATRICK A. GUERRA..	1087
pollen hoarding..	973
polyandry..	1173, 1391
<i>Polysphincta clade</i> ..	375
<i>Polysphincta gutfreundi</i> ..	375
<i>Pomacentrus amboinensis</i> ..	803
PONGRÁCZ, PÉTER <i>see</i> TAMÁS FARAGÓ..	917
population..	521
population differentiation..	439
positive interaction..	869
pragmatics..	e1(1)
praying mantid..	1165
preconflict management..	645
precopulatory..	11

predation.. ..	487
predation risk.. ..	459, 531
predator avoidance.. ..	459, 531
predator detection.. ..	255
predator hunting mode.. ..	531
predator recognition.. ..	515
predator-prey interaction.. ..	127, 255, 531
prey attraction.. ..	179
primate.. ..	e1(5), 89, 361, 1353
<i>Procambarus clarkii</i>	265
promiscuity.. ..	613
PROOPS, LEANNE, MEGGEN WALTON, KAREN MCCOMB, The Use of Human-given Cues by Domestic Horses, <i>Equus caballus</i> , During an Object Choice Task.. ..	
propulsion.. ..	1205
prosocial behaviour.. ..	603
prosociality.. ..	1229
provisioning behaviour.. ..	595
proximate mechanism....	107
prudent choice.. ..	595
PRUETT-JONES, STEPHEN <i>see</i> MELISSAH ROWE.. ..	911
PRYKE, SARAH R. <i>see</i> SIMON C. GRIFFITH.. ..	1239
<i>Pseudomantis albobimbrata</i>	261
<i>Pseudopucroliia</i>	1165
PSOLA.. ..	547
psychoneuroimmunology.. ..	205
<i>Ptilonorhynchus nuchalis</i>	3
public information.. ..	747
puppy....	811, 1329
quasiparasitism.. ..	37
queen number....	1329
RADFORD, BEN <i>see</i> MARK G. MEEKAN....	467
radiotelemetry....	803
rainbowfish.. ..	159
RAMNARINE, I.W. <i>see</i> P. GUEVARA-FIORE.. ..	1025
<i>Rana temporaria</i>	1191
random oviposition.. ..	779
RANGE, FRIEDERIKE <i>see</i> TAMÁS FARAGÓ.. ..	313
<i>Rattus norvegicus</i>	917
raven.. ..	159
READER, SIMON M. <i>see</i> CHARLOTTE M. LINDEYER.. ..	927
REBER, ANABELLE, JOËL MEUNIER, MICHEL CHAPUISAT, Flexible Colony-founding Strategies in a Socially Polymorphic Ant.. ..	827
REBY, D. <i>see</i> A.M. TAYLOR.. ..	467
receiver psychology.. ..	205
receptive female.. ..	555
reciprocity.. ..	1191
recognition.. ..	595, 957
recognition of humans.. ..	99
recruitment.. ..	699
red-eyed treefrog.. ..	343
referential communication.. ..	255
referential signal.. ..	917
REINECKE, A. <i>see</i> I. BEYAERT.. ..	1373
relationship quality.. ..	1077
relative threat.. ..	927
RENDIGS, ANTJE <i>see</i> HEIKE LUTERMANN.. ..	419
repeatability.. ..	1211
repellent.. ..	497
reproductive behaviour.. ..	451
reproductive effort.. ..	973
reproductive ground plan hypothesis.. ..	1293
	1001

reproductive strategy.. ..	1329
reproductive success.. ..	211, 509
resource allocation.. ..	727
resource defence.. ..	89
resource defence polygyny.. ..	547
resource monopolization.. ..	281
response time.. ..	153
resting time.. ..	361
<i>Rhabdomys pumilio</i>	195
RHODES, GILLIAN <i>see</i> HANNE C. LIE.. ..	903
RIBEIRO, T. <i>see</i> S. PEKÁR.. ..	1301
RICHARD, FREDDIE-JEANNE <i>see</i> YONGLIANG FAN.. ..	649
RICHARDS, MIRIAM H. <i>see</i> MARIANNE PESO.. ..	563
RICHARD-YRIS, MARIE-ANNICK <i>see</i> CAROL SANKEY.. ..	869
RIEBEL, K. <i>see</i> M. RITSCHARD.. ..	877
RIES, CORNELIA <i>see</i> MARC SZTATECSNY.. ..	779
RIOS-CARDENAS, OSCAR <i>see</i> MOLLY R. MORRIS.. ..	673
risk assessment.. ..	487
risk responsiveness.. ..	835
risk-sensitive behaviour.. ..	1101
<i>Rissa tridactyla</i>	1095
RITSCHARD, M., K. RIEBEL, H. BRUMM, Female Zebra Finches Prefer High-amplitude Song.. ..	877
RITTSCOF, CLARE C, KELLY V. RUGGLES, The Complexity of Site Quality: Multiple Factors Affect Web Tenure in an Orb-web Spider.. ..	1147
RIVERS, JAMES W., THOMAS M. LOUGHIN, STEPHEN I. ROTHSTEIN, Brown-headed Cowbird Nestlings Influence Nestmate Begging, But Not Parental Feeding, in Hosts of Three Distinct Sizes.. ..	107
RNA interference.. ..	1001
ROBSON, SCOTT W.J. <i>see</i> MARISA HOESCHELE.. ..	657
ROCES, F. <i>see</i> N. SAVERSCHEK.. ..	689
RÖDEL, HEIKO G. <i>see</i> CARSTEN SCHRADIN.. ..	195
RODGERS, GWENDOLEN M., JENNIFER L. KELLEY, LESLEY J. MORRELL, Colour Change and Assortment in the Western Rainbowfish.. ..	1025
ROEDER, J.J. <i>see</i> L. MARECHAL.. ..	1157
ROOT-BERNSTEIN, MEREDITH, Displacement Activities During the Honeybee Transition from Waggle Dance to Foraging... ..	935
<i>Ropalidia cyathiformis</i>	631
<i>Ropalidia marginata</i>	631
ROSATI, ALEXANDRA <i>see</i> BRIAN HARE.. ..	e1(2)
ROSSI, BENJAMIN H., PETER NONACS, THERESA L. PITTS-SINGER, Sexual Harassment by Males Reduces Female Fecundity in the Alfalfa Leafcutting Bee, <i>Megachile rotundata</i>	165
ROTHSTEIN, STEPHEN I. <i>see</i> ADRIAN L. O'LOGHLEN.. ..	299, 1285
ROTHSTEIN, STEPHEN I. <i>see</i> JAMES W. RIVERS.. ..	107
ROUF, NABILA <i>see</i> YONGLIANG FAN.. ..	649
ROUGHGARDEN, JOAN, EROL AKÇAY, Do We Need a Sexual Selection 2.0?.. ..	e1(3)
ROUGHGARDEN, JOAN, EROL AKÇAY, Final Response: Sexual Selection Needs an Alternative.. ..	e18(3)
route learning.. ..	827
ROWE, MELISSAH, JOHN P. SWADDLE, STEPHEN PRUETT-JONES, MICHAEL S. WEBSTER, Plumage Coloration, Ejaculate Quality and Reproductive Phenotype in the Red-backed Fairy-wren.. ..	1239
RUCKSTUHL, KATHREEN E. <i>see</i> PAUL MOQUIN.. ..	1047
RUGGLES, KELLY V. <i>see</i> CLARE C. RITTSCOF.. ..	1147
rumination.. ..	1047
RUNDLE, SIMON D. <i>see</i> SARAH DALESMAN.. ..	173
RUSSELL, JAMES C., ANGUS J.C. MCMORLAND, JAMIE W.B. MACKAY, Exploratory Behaviour of Colonizing Rats in Novel Environments.. ..	159
RYAN, MICHAEL J. <i>see</i> ALEXANDER T. BAUGH... ..	145
<i>Salmo trutta</i>	709
SANDOVAL, C. <i>see</i> A.G. FARJI-BRENER.. ..	343
SANKEY, CAROL, MARIE-ANNICK RICHARD-YRIS, HÉLÈNE LEROY, SÉVERINE HENRY, MARTINE HAUSBERGER, Positive Interactions Lead to Lasting Positive Memories in Horses, <i>Equus caballus</i>	869

ŠÁROVÁ, RADKA., MAREK ŠPINKA, JOSÉ L. ARIAS PANAMÁ, PETR ŠIMEČEK, Graded Leadership by Dominant Animals in a Herd of Female Beef Cattle on Pature	1037
SAVERSCHEK, N., H. HERZ, M. WAGNER, F. ROCES, Avoiding Plants Unsuitable for the Symbiotic Fungus: Learning and Long-term Memory in Leaf-cutting Ants.. .. .	689
SCARANTINO, ANDREA, Animal Communication Between Information and Influence.. .. .	e1(6)
<i>Sceloporus undulatus</i>	291
SCHAPIRO, STEVEN J. <i>see</i> SARAH F. BROSINAN.. .. .	1229
SCHARE, INON, EREZ DAVID BARKAE, OFER OVADIA, Response of Pit-building Antlions to Repeated Unsuccessful Encounters with Prey.. .. .	153
SCHIELZETH, HOLGER, ELISABETH BOLUND, Patterns of Conspecific Brood Parasitism in Zebra Finches 1329	
SCHINO, GABRIELE <i>see</i> BARBARA TIDDI.. .. .	1115
SCHLOEGL, CHRISTIAN <i>see</i> BRIGITTE M. WEIß.. .. .	1277
SCHMOHL, GABRIELA <i>see</i> CARSTEN SCHRADIN.. .. .	195
SCHOEPE, IVANA <i>see</i> CARSTEN SCHRADIN.. .. .	195
SCHOFIELD, ANNEKA N.B. <i>see</i> KATHERINE A. HERBORN.. .. .	835
SCHOLZ, A. <i>see</i> I. BEYAERT.. .. .	1077
SCHRADIN, CARSTEN, GABRIELA SCHMOHL, HEIKO G. RÖDEL, IVANA SCHOEPE, STELLA M. TREFFLER, JULIAN BRENNER, MAARTEN BLEEKER, MELANIE SCHUBERT, BARBARA KÖNIG, NEVILLE PILLAY, Female Home Range Size is Regulated by Resource Distribution and Intraspecific Competition: a Long-term Field Study.. .. .	195
SCHUBERT, MELANIE <i>see</i> CARSTEN SCHRADIN.. .. .	195
SCHWARTZ, JOSHUA J. <i>see</i> FOLKERT SEEBA.. .. .	1317
SCHWEITZER, C., C. HOUELIER, S. LUMINEAU, F. LÉVY, C. ARNOULD, Social Motivation Does Not Go Hand in Hand with Social Bonding Between Two Familiar Japanese Quail Chicks, <i>Coturnix japonica</i>	571
scissortail sergeant.. .. .	237
scolding.. .. .	699
score test.. .. .	1339
SCOTT-PHILLIPS, THOMAS C., Animal Communication: Insights From Linguistic Pragmatics.. .. .	e1(1)
scramble competition.. .. .	281
SEAH, STANLEY W.H. <i>see</i> EUNICE J. TAN.. .. .	179
SEARCY, WILLIAM A., LOUISE BARRETT, Featured Articles in This Month's <i>Animal Behaviour</i>	1, 253, 529, 769, 971, 1181
SÈBE, F., J. DUBOSCQ, T. AUBIN, S. LIGOUT, P. POINDRON, Early Vocal Recognition of Mother by Lambs: Contribution of Low- and High-frequency Vocalizations.. .. .	1055
security.. .. .	927
SEEBA, FOLKERT, JOSHUA J. SCHWARTZ, MARK A. BEE, Testing an Auditory Illusion in Frogs: Perceptual Restoration Or Sensory Bias?	1317
selection.. .. .	803
selective breeding.. .. .	e1(5)
selfish gene.. .. .	e18(3)
SENDOVA-FRANKS, ANA B., REBECCA K. HAYWARD, BENJAMIN WULF, THOMAS KLIMEK, RICHARD JAMES, ROBERT PLANQUÉ, NICHOLAS F. BRITTON, NIGEL R. FRANKS, Emergency Networking: Famine Relief in Ant Colonies.. .. .	473
SENEVIRATNE, SAMPATH S., IAN L. JONES, Origin and Maintenance of Mechanosensory Feather Ornaments.. .. .	637
sensory bias.. .. .	555, 1317
separation/reunion test.. .. .	571
<i>Sepia lycidas</i>	613
sequential signal.. .. .	1165
<i>Sericornis frontalis</i>	411, 487
sex allocation.. .. .	243
sex difference.. .. .	1047, 1229
sex pheromone.. .. .	391, 1135, 1307
sex ratio.. .. .	165, 579, 727
sex recognition.. .. .	779
sex-biased dispersal.. .. .	1017
sex-dependent selection.. .. .	e5(3)
sex-role reversal.. .. .	885
sexual coercion.. .. .	165, 333
sexual competence.. .. .	1239

sexual conflict....	..	..	..	..	..	..	e1(3), 11, 165, 211, 261, 333, 1125, 1173
sexual dimorphism..	..	..	..	..	..	..	57, 735
sexual display.. ..	..	..	..	..	..	..	391
sexual exclusion..	..	..	..	..	..	..	579
sexual harassment..	..	..	..	..	..	..	165
sexual selection..	..	..e1(3), e5(3), e7(3), e11(3), e18(3), 57, 187, 261, 497, 509, 547, 637, 673, 757, 903, 911,	..	..	..	..	1031, 1191, 1239, 1257, 1285, 1381
sexual signal.. ..	..	..	..	..	..	..	187
sexually selected infanticide..	..	..	..	..	..	..	521
SEYFARTH, ROBERT M. see LIZA R. MOSCOVICE..	..	..	..	..	..	..	1007
Shannon..	..	..	..	..	..	..	e1(6)
SHAW, KERRY L. see TAGIDE N. DECARVALHO...	..	..	..	..	..	..	819
sheep.. ..	..	..	..	..	..	..	351, 1055
shelter dog..	..	..	..	..	..	..	717
shoaling....	..	..	..	..	..	..	1025
shoaling behaviour..	..	..	..	..	..	..	679
SHUKER, DAVID M., Sexual Selection: Endless Forms or Tangled Bank?	..	..	..	..	..	..	e11(3)
<i>Sialia sialis</i>..	..	..	..	..	..	..	727
Siamese fighting fish..	..	..	..	..	..	..	43
siblicide.. ..	..	..	..	..	..	..	1095
sibling coalition..	..	..	..	..	..	..	1017
sickness behaviour..	..	..	..	..	..	..	3
signal.. ..	..	..	..	..	..	..	645, 1285, 1307
signal amplitude..	..	..	..	..	..	..	1257
signal degradation..	..	..	..	..	..	..	877
signal design.. ..	..	..	..	..	..	..	555, 1373
signal frequency..	..	..	..	..	..	..	1257
signal rate..	..	..	..	..	..	..	1257
signal timing.. ..	..	..	..	..	..	..	1257
signalling..	..	..	..	..	..	..	179
SILVA, K., M.N. VIEIRA, V.C. ALMADA, N.M. MONTEIRO, Reversing Sex Role Reversal: Compete Only When You Must..	..	..	..	..	..	..	885
ŠIMEČEK, PETR see RADKA ŠÁROVÁ ..	..	..	..	..	..	..	1037
SIMMONS, LEIGH W. see HANNE C. LIE..	..	..	..	..	..	..	903
sit-and-wait predator..	..	..	..	..	..	..	153
<i>Sitophilus zeamais</i>..	..	..	..	..	..	..	281
SITVARIN, MICHAEL I. see DAVID W. CROWDER..	..	..	..	..	..	..	579
size assessment..	..	..	..	..	..	..	205
SJOSTRAND, JONAS see MAGNUS ENQUIST..	..	..	..	..	..	..	1353
skill.. ..	..	..	..	..	..	..	771
sleeping site.. ..	..	..	..	..	..	..	1211
sleepy lizard.. ..	..	..	..	..	..	..	217
SMALL, MICHAEL see DAVID M. WALKER..	..	..	..	..	..	..	351
SMITH, CAROLYNN L. see ARTEMI KOKOLAKIS..	..	..	..	..	..	..	1373
SMOTHERMAN, MICHAEL see JENNA JARVIS..	..	..	..	..	..	..	787
SNYDER, REBECCA J. see BENJAMIN D. CHARLTON..	..	..	..	..	..	..	1221
SNYDER-MACKLER, NOAH see DAVID J. WHITE..	..	..	..	..	..	..	385
social.. ..	..	..	..	..	..	..	473, 1285
social behaviour..	..	..	..	..	..	..	1025
social cognition..	..	..	..	..	..	e1(2), e9(2), e1(5) 37, 717, 869, 1205	
social complexity..	..	..	..	..	..	..	1277
social evolution..	..	..	..	..	..	..	467, 973
social foraging....	..	..	..	..	..	..	857, 1001
social insect.. ..	..	..	..	..	..	..	99, 467, 649
social interactions..	..	..	..	..	..	..	497
social learning....	..	..	..	..	..	..	25, 385, 459, 827, 1353
social network analysis..	..	..	..	..	..	..	1199
social organization..	..	..	..	..	..	..	217
social recognition..	..	..	..	..	..	..	757
social relationship..	..	..	..	..	..	..	271, 571, 927
social selection..	..	..	..	..	..	..	e1(3). e18(3)

trout.. ..	709
tufted capuchin.. ..	1115
túngara frog.. ..	145
<i>Tupinambis merianae</i>	83
turbidity....	515
turning angle.. ..	603
two-stage hypothesis.. ..	e9(2), 717
two-tiered evolutionary theory....	e1(3)
type I error.. ..	765
<i>Uca annulipes</i>	735
<i>Uca mjoebergi</i>	419
UDELL, MONIQUE A.R., CLIVE D.L. WYNNE, Ontogeny and Phylogeny: Both Are Essential to Human-sensitive Behaviour in the Genus <i>Canis</i>	e9(2)
UDELL, MONIQUE A.R. <i>see</i> NICOLE R. DOREY.. ..	37
UDELL, MONIQUE A.R., NICOLE R. DOREY, CLIVE D.L. WYNNE, The Performance of Stray Dogs (<i>Canis familiaris</i>) Living in a Shelter on Human-guided Object-choice Tasks.. ..	717
ultrasonic vocalization.. ..	757
ungulate.. ..	1047
uniparental transmission.. ..	1353
urban noise.. ..	863
<i>Ursus arctos</i>	521
VALEIX, MARION <i>see</i> STÉPHANIE PÉRIQUET.. ..	665
VÄLIMÄKI, PANU, ARJA KAITALA, Properties of Male Ejaculates Do Not Generate Geographical Variation in Female Mating Tactics in a Butterfly <i>Pieris napi</i>	1173
VALSECCHI, PAOLA <i>see</i> ROBERTO BONANNI.. ..	957, 981
value.. ..	927
VAN DONGEN, STEFAN <i>see</i> LOBKE DILLEN.. ..	1125
VAN DYKE, JAMES URBAN, MICHAEL S. GRACE, The Role of Thermal Contrast in Infrared-based Defensive Targeting by the Copperhead, <i>Agkistrodon contortrix</i>	993
VAN OORT, HARRY <i>see</i> MARISA HOESCHELE.. ..	657
VAN ROOIJEN, JEROEN, Do Dogs and Bees Possess a 'Theory of Mind'?	e7(2)
VANDEWALLE, NICOLAS <i>see</i> KARINE FAUCHER.. ..	679
VANDEWALLE, PIERRE <i>see</i> KARINE FAUCHER.. ..	679
VARAMA, M. <i>see</i> I. BEYAERT.. ..	1077
variance-covariance matrix.. ..	439
variation in mate preference.. ..	673
<i>Venturia canescens</i>	1307
VERBURGT, LUKE <i>see</i> HEIKE LUTERMANN.. ..	1211
VERHEGGEN, FRANÇOIS J. <i>see</i> RAKI ALMOHAMAD.. ..	589
<i>Vicia faba</i>	589
VIEIRA, M.N. <i>see</i> K. SILVA.. ..	885
vigour... ..	771
VINCENT, CRYSTAL M., SUSAN M. BERTRAM, Crickets Groom to Avoid Lethal Parasitoids.. ..	51
vinous-throated parrotbill	1017
VIRÁNYI, ZSÓFIA <i>see</i> TAMÁS FARAGÓ.. ..	917
VISALBERGHI, E. <i>see</i> D. FRAGASY.. ..	321
visual cue.. ..	739
visual signal.. ..	43, 313, 779
vitellogenin.. ..	973
vitellogenin yolk protein.. ..	1001
vocal behaviour.. ..	1363
vocal communication.. ..	205, 401, 1221
vocal cue.. ..	57
vocal recognition.. ..	1055
vocalization.. ..	571, 787
vocalization frequency....	863
VON KUERTHY, CORINNA <i>see</i> MARK G. MEEKAN.. ..	803
VUKOVIC, JOVANA <i>see</i> BENEDICT C. JONES.. ..	57
WĘGRZYN, EWA, KONRAD LENIOWSKI, TOMASZ S. OSIEJUK, Whistle Duration and Consistency Reflect Philopatry and Harem Size in Great Reed Warblers.. ..	1363

WÄSCHKE, N. <i>see</i> I. BEYAERT.. .. .	1077
WADA, TOSHIFUMI, TAKESHI TAKEGAKI, TOHRU MORI, YUTAKA NATSUKARI, Sperm Removal, Ejaculation and Their Behavioural Interaction in Male Cuttlefish in Response to Female Mating History.. .. .	613
waggle dance.. .. .	935
WAGNER, M. <i>see</i> N. SAVERSCHEK.. .. .	689
WALKER, DAVID M., CRISTIAN CARMELI, F.J. PÉREZ-BARBERÍA, MICHAEL SMALL, E. PÉREZ-FERNÁNDEZ, Inferring Networks From Multivariate Symbolic Time Series to Unravel Behavioural Interactions Among Animals.. .. .	351
WALLS, JEFF <i>see</i> JOHN M. MARZLUFF.. .. .	699
WALTON, MEGGEN <i>see</i> LEANNE PROOPS.. .. .	1205
WARKENTIN, KAREN M. <i>see</i> MICHAEL S. CALDWELL.. .. .	255
WATANABE, MAMORU <i>see</i> YUMA TAKAHASHI.. .. .	211
waterhole.. .. .	665
WATT, P.J. <i>see</i> P. GUEVARA-FIORE.. .. .	1191
web decoration.. .. .	179
WEBSTER, BEN, TOBY BRUCE, JOHN PICKETT, JIM HARDIE, Volatiles Functioning as Host Cues in a Blend Become Nonhost Cues when Presented Alone to the Black Bean Aphid.. .. .	451
WEBSTER, MICHAEL S. <i>see</i> MELISSAH ROWE.. .. .	1239
WEIS, BRIGITTE M., SOPHIA KEHMEIER, CHRISTIAN SCHLOEGL, Transitive Inference in Free-living Greylag Geese, <i>Anser anser</i>	1277
WEY, TINA W., DANIEL T. BLUMSTEIN, Social Cohesion in Yellow-bellied Marmots is Established Through Age and Kin Structuring.. .. .	1343
whiptail lizard	75
WHITE, DAVID J., ANDREW S. GERSICK, GRACE FREED-BROWN, NOAH SNYDER-MACKLER, The Ontogeny of Social Skills: Experimental Increases in Social Complexity Enhance Reproductive Success in Adult Cowbirds.. .. .	385
WHITE, JOËL, SARAH LECLAIRE, MARION KRILOFF, HERVÉ MULARD, SCOTT A. HATCH, ETIENNE DANCHIN, Sustained Increase in Food Supplies Reduces Broodmate Aggression in Black-legged Kittiwakes.. .. .	1095
white-browed scrubwren.. .. .	411, 487
white-tailed ptarmigan	25
whitefly.. .. .	579
Wilcoxon signed-ranks test.. .. .	765
wild house mouse.. .. .	757
WILSON, DAVID R., DANIEL J. MENNILL, Black-capped Chickadees, <i>Poecile atricapillus</i> , Can Use Individually Distinctive Songs to Discriminate Among Conspecifics.. .. .	1267
wind tunnel.. .. .	1307
wing polymorphism.. .. .	1087
WIRSING, AARON J., KATHRYN E. CAMERON, MICHAEL R. HEITHAUS, Spatial Responses to Predators Vary with Prey Escape Mode.. .. .	531
WISENDEN, BRIAN D., CHAR L. BINSTOCK, KRISTINE E. KNOLL, ADAM J. LINKE, BRANDON S. DEMUTH, Risk-sensitive Information Gathering by Cyprinids Following Release of Chemical Alarm Cues.. .. .	1101
WITHEY, JOHN C. <i>see</i> JOHN M. MARZLUFF.. .. .	699
WITTIG, ROMAN <i>see</i> LIZA R. MOSCOVICE.. .. .	1007
wolf.. .. .	e9(2)
WOODGATE, JOSEPH L., ANDREW T.D. BENNETT, STEFAN LEITNER, CLIVE K. CATCHPOLE, KATHERINE L. BUCHANAN, Developmental Stress and Female Mate Choice Behaviour in the Zebra Finch.. .. .	1381
worker behaviour.. .. .	973
wrasse.... .. .	1067
WRIGHT, JONATHAN <i>see</i> NIELS J. DINGEMANSE.. .. .	439
WRIGHT, JONATHAN <i>see</i> PAUL G. MCDONALD.. .. .	243
WULF, BENJAMIN <i>see</i> ANA B. SENDOVA-FRANKS.. .. .	473
WYNNE, CLIVE D.L. <i>see</i> MONIQUE A.R. UDELL.. .. .	e9(2), 717
WYNNE, CLIVE D.L. <i>see</i> NICOLE R. DOREY.. .. .	37
<i>Xiphophorus multilineatus</i>	673
XUE, FANG-SEN <i>see</i> XING-PING LIU.. .. .	1391
<i>Xylocopa virginica</i>	563

YAMAMOTO, SHINYA, MASAYUKI TANAKA, The Influence of Kin Relationship and Reciprocal Context on Chimpanzees' Other-regarding Preferences..	..	..	..	..	595
YAP, LAURA-MARIE Y.L. <i>see</i> EUNICE J. TAN..	..	..	..	..	179
yawning....	..	..	..	..	e1(5)
YOON, JENNIFER M.D., CLAUDIO TENNIE, Contagious Yawning: a Reflection of Empathy, Mimicry, or Contagion? ..	..	..	..	..	e1(5)
ZALDÍVAR-RAE, JAIME <i>see</i> SERGIO ANCONA..	..	..	..	..	75
<i>Zea mays</i>..	..	..	..	..	281
zebra.. ..	..	..	..	..	665
zebra finch..	..	..	..	..	261, 877, 947, 1329, 1381
zebrafish..	..	..	..	..	827, 1101, 1339
ZENUTO, ROXANA R., Dear Enemy Relationships in the Subterranean Rodent <i>Ctenomys talarum</i> : the Role of Memory of Familiar Odours..	..	..	..	..	1247
Zeus bug..	..	..	..	..	11
ZHANG, LI <i>see</i> QILIN LI..	..	..	..	..	797
ZHIHE, ZHANG <i>see</i> BENJAMIN D. CHARLTON..	..	..	..	..	1221
<i>Zodariion rubidum</i>..	..	..	..	..	1301
CHINCHILLA, F. <i>see</i> A.G. FARJI-BRENER..	..	..	..	..	343